

To: Claire Buchanan[cbuchan@icprb.org]
From: Essenthier, Leo
Sent: Wed 9/14/2016 8:58:39 PM
Subject: FW: From Programmatic Goals to Criteria for Phytoplankton Chlorophyll a
MAIL RECEIVED: Wed 9/14/2016 8:58:00 PM
[ICP16-1 Buchanan.pdf](#)

Claire, I am unable to open this document. Any suggestions?

Thanks,

Leo

Leo Essenthier

Water Protection Division

Office of State & Watershed Partnerships (3WP10)

US EPA, Region 3

1650 Arch Street

Philadelphia, PA 19103

215-814-5732

From: Claire Buchanan [mailto:cbuchan@icprb.org]
Sent: Friday, February 26, 2016 3:56 PM
To: Paul Bukaveckas <pabukaveckas@vcu.edu>
Cc: Schlegel, Anne (DEQ) <Anne.Schlegel@deq.virginia.gov>; Robertson, Tish (DEQ) <Tish.Robertson@deq.virginia.gov>; Kennedy, John (DEQ) <John.Kennedy@deq.virginia.gov>
Subject: Fwd: From Programmatic Goals to Criteria for Phytoplankton Chlorophyll a

Paul,

Attached is the report I have submitted to EPA3 as a deliverable for ICPRB's CWA Section 106 grant. I've made it clear that it is not a final report from the SAP, nor does it necessarily reflect

the opinions of other SAP members. The report is really intended to summarize various **chlorophyll** analyses and findings gained on and off by myself and others during the past 15 years. I believe it augments the SAP report and will provide the larger Chesapeake Bay perspective from which to consider the **James River**'s current chl a criteria. Let me know if you have any questions.

Sincerely,

Claire

----- Forwarded message -----

From: **Claire Buchanan** <cbuchan@icprb.org>

Date: Fri, Feb 26, 2016 at 3:40 PM

Subject: From Programmatic Goals to Criteria for Phytoplankton **Chlorophyll** a

To: "Essenthier, Leo" <Essenthier.Leo@epa.gov>

Cc: William Richardson <Richardson.William@epa.gov>, "Hoffmann, Michael" <Hoffmann.Michael@epa.gov>, Peter Tango <ptango@chesapeakebay.net>, Carlton Haywood <Chaywood@icprb.org>

Hello Leo,

I spent a lot more time than expected participating in the Scientific Advisory Panel (SAP) of the **James River Chlorophyll** Criteria Study. Most of that time was supported by ICPRB's CWA 106 grant. Last May, Mike Hoffman approved adding my participation as a sub-task in our FY15 workplan and the work has extended into this fiscal year.

I was encouraged by VADEQ last year to synthesize the findings of broader, longer term analyses I had done before and during the Study. I ended up writing a 36 page 'white paper' which I have subsequently updated and turned into a full-fledged report. I would like to submit that report (attached) to EPA3 as a deliverable for my participation in the Study. The report shows how science-based numeric **chlorophyll** criteria that protect 'balance, indigenous, desirable' phytoplankton populations can be developed from CBP narrative programmatic goals. It is not the SAP's final report, but rather a synthesis of some broader Chesapeake Bay findings that have relevance in VADEQ's deliberations. It will be listed as a deliverable in ICPRB's upcoming mid-year progress report to EPA3.

Sincerely,

Claire

Claire Buchanan, PhD
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